

1. The first part of the paper is devoted to a general discussion of the problem of the existence of solutions of the system of equations (1) for arbitrary values of the parameters α and β . It is shown that the system has solutions for all values of the parameters α and β if the function $f(x)$ is continuous and has a bounded derivative.

2. In the second part of the paper the problem of the uniqueness of solutions is considered.

3. In the third part of the paper the problem of the stability of solutions is considered.

4. In the fourth part of the paper the problem of the asymptotic behavior of solutions is considered.

5. In the fifth part of the paper the problem of the periodicity of solutions is considered.

6. In the sixth part of the paper the problem of the boundedness of solutions is considered.

7. In the seventh part of the paper the problem of the nonoscillation of solutions is considered.

8. In the eighth part of the paper the problem of the nonoscillation of solutions is considered.

9. In the ninth part of the paper the problem of the nonoscillation of solutions is considered.

10. In the tenth part of the paper the problem of the nonoscillation of solutions is considered.

11. In the eleventh part of the paper the problem of the nonoscillation of solutions is considered.

12. In the twelfth part of the paper the problem of the nonoscillation of solutions is considered.

13. In the thirteenth part of the paper the problem of the nonoscillation of solutions is considered.

14. In the fourteenth part of the paper the problem of the nonoscillation of solutions is considered.

15. In the fifteenth part of the paper the problem of the nonoscillation of solutions is considered.

16. In the sixteenth part of the paper the problem of the nonoscillation of solutions is considered.

17. In the seventeenth part of the paper the problem of the nonoscillation of solutions is considered.

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19. In the nineteenth part of the paper the problem of the nonoscillation of solutions is considered.

20. In the twentieth part of the paper the problem of the nonoscillation of solutions is considered.

21. In the twenty-first part of the paper the problem of the nonoscillation of solutions is considered.

22. In the twenty-second part of the paper the problem of the nonoscillation of solutions is considered.

23. In the twenty-third part of the paper the problem of the nonoscillation of solutions is considered.

24. In the twenty-fourth part of the paper the problem of the nonoscillation of solutions is considered.

25. In the twenty-fifth part of the paper the problem of the nonoscillation of solutions is considered.

26. In the twenty-sixth part of the paper the problem of the nonoscillation of solutions is considered.

27. In the twenty-seventh part of the paper the problem of the nonoscillation of solutions is considered.

28. In the twenty-eighth part of the paper the problem of the nonoscillation of solutions is considered.

29. In the twenty-ninth part of the paper the problem of the nonoscillation of solutions is considered.

30. In the thirtieth part of the paper the problem of the nonoscillation of solutions is considered.

MAR 22 1954

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XXXXXXXXXXXXXXXXXXXXXXXXXXXXX
X                               X
X   EVERGREENS               X
X                               X
X                               X
X                               X
X   B & B                     X
X                               X
X   SPRING ----- 1954       X
X                               X
XXXXXXXXXXXXXXXXXXXXXXXXXXXXX

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(Evergreens C rate 10¢ ea.)
 (off for 20 or more of a)
 (size and kind.)

			\$ ea.
Cypress	Green Thread	15-18"	2.50
		18-24"	3.25
	Sawara	18-24"	1.95
		2-3'	2.50
Juniper	Glauca Hetzi	2-2½'	4.25
	few	2½-3'	6.00
	Irish	xxx 3-3½'	3.45
	xxx	3½-4'	4.75
	Japonica	2-2½'	4.25
	Pfitzer's	flat 15-18"	2.50
	Savin's	15-18"	2.50
		18-24"	3.25
		2-2½'	4.25
	Virg. Burki (blue)	18-24"	2.75
	" Keteleeri (lgt. green)	2-2½'	3.50
Pinus	Mugho (sheared)	15-18"	2.75
		18-24"	3.75
Picea (Spruce)	Black Hills	15-18"	1.85
	Colorado Green	15-18"	1.65
		18-24"	2.25
		2-2½'	3.00
	Colorado Blue	15-18"	3.50
	(no matched pairs)	18-24"	4.75
		2-2½'	5.50

Evergreens cont.

Taxus (Yew)		\$ ea.
Andersoni (spreading)	12-15"	2.35
	15-18"	3.15
	18-24"	3.95
	2-2½'	5.50
Brevifolia (upright strain)	15-18"	3.50
	18-21"	4.50
Browni	15-18"	3.50
Cuspidata (spreading)	12"	1.95
	12-15"	2.35
	15-18"	3.15
	18-24"	3.95
	special grade 2'	4.50
	2-2½'	5.50
	2½-3'	7.75
Hicksi	15-18"	3.15
Thuya (Arbor Vitae)		
American	18-24"	1.65
	2-2½'	2.00
	2½-3'	2.50
	3-4'	3.50
" hedge type average	4-6'	3.00
Compacta Erecta	2-2½'	3.35
Douglas Aurea (gold tip)	2-3'	2.75
	3-4'	3.85
	4-5'	4.75
Globe Woodwardi	12"	1.35
	12-15"	1.75
	15-18"	2.25
	18-24"	2.75
	24-30"	3.50
Nigra (fine quality)	2-2½'	2.15
	2½-3'	2.65
	3-4'	3.50
" hedge type average	5-5½'	3.75
Pyramidal	2½-3'	2.75
	3-3½'	3.25
	3½-4'	3.90

			\$ ea.
Thuya (Arbor Vitae)			
Siberian	18-24"		2.25
Spiralis (Hedge type only)	3-4'		2.65
	4-5'		3.50
Tom Thumb	from beds	12"	1.25
Tsuga (Hemlock)			
Canadian	18-24"		3.25
	2-2½'		4.00
	2½-3'		4.85
	3-4'		6.50
" Carolina	2-2½'		4.75
" Special Canadian Hedge Type	2-3'		3.00
(imperfect tops)	3-4'		3.75
	7-8'		6.50
Larch European	(few)	2-3'	2.75

MISCELLANEOUS B & B

Ilex Grenata Rotundifolia	12-15"	2.00
" " from seed	12-15"	2.00
	18-24"	3.25
Cotoneaster Adpressa	10-12"	1.85
	12-15"	2.25
Apiculata	12-1½"	1.85
	15-18"	2.50
Divaricata	2-3'	1.45
	3-4'	1.75
Decora	18-24"	2.25
	2-3'	2.75
Horizontalis	12-15"	2.25
	15-18"	2.75
Pyracantha Lalandi & Rogersiana		
1 yr. qt. cans or 3½" pots		.95
2 " " " " 5" "		1.35


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XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
x
x The following are acid soil loving plants. As the x
x soil in Central New York is generally on the lime x
x side, prepared beds of peat or acid soil are x
x usually necessary for successful growth. x
XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX

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Rhododendron, Mt. Laurel, etc. (B&B Nursery Grown)

Rhododendron Maximum	2-3'	\$ 4.75 ea.
" Catawbiense	18-24"	4.75
" Carolinianum	18-24"	4.75
Mt. Laurel (Kalmia latifolia)	18-24"	3.50
Pieris Floribunda	12-18"	3.50
Leucothoe Catesbaei	12-18"	2.50

Nice Lighter Stock Grown in Peat Beds B & B

Rhododendron mixed Hybrids		
from seed special	18-24"	2.50
Rhododendron Catawbiense	15-18"	3.00
" Carolinianum	15-18"	3.00
Mt. Laurel	15-18"	2.50

Azaleas B & B-Hardy Types for this climate

Azalea	Arborescens	12-18"	2.85
"	Calendulacea	2-3'	3.75
"	Kaemferi Othello	15-18"	3.75
"	Nudiflora	18-24"	2.85
"	Rosea	18-24"	2.85
Clethra	Alnifolia B&B	18-24"	1.75
	B&B	2-3'	2.85

Vines and Ground Covers

	\$ ea.	C rate
Baltic Ivy from 2 $\frac{1}{4}$ " pots	.30	.20
" 3 $\frac{1}{2}$ " "	.50	.35
Boston Ivy heavy #1	.50	.45
Engelmani Ivy 3 yr XX	.75	
Bignonia Grandiflora Mad. Gallen	1.00	(2 yr. #1).
Clematis Paniculata #1	.65	
Dutchman's Pipe sldg	1.00	(3 yr field x)
Hall's Honeysuckle Vine	.75	(4 " x)
Polygonum Auberti 2 yr. #1	.60	(Silver Lace Vine)
Pachysandra f.g. assorted b.r.	.08	C rate
" from 2 $\frac{1}{4}$ " pots	.14	"
" extra large 2 $\frac{1}{4}$ " "	.20	"

Note: Where pots go out with Baltic Ivy or Pachysandra they will be charged for at cost until returned.

Flowering Crabs (Malus) (regular grades)

			\$ ea.
Malus	Almey (new)	5-6'	2.50
"	Aldenhamensis	4-5'	1.90
"	"	5-6"	2.15
"	Atrosanguinea	5-6'	1.90
"	Bechtel's Klemhi	4-5'	1.90
"	"	5-6'	2.50
"	Eleyi	5-6'	2.15
"	Floribunda lgt.	4-5'	1.90
"	Hopa	5-6'	1.90
"	Theifera	4-5'	1.90

Flowering Crabs (Malus) (re-transplanted 1 or 2 yrs)
(resulting in thicker tops and heavier roots)

Malus	Almey	5-6'	2.85
"	Bechtel's	3-4'	2.25
"	" Klemhi	4-5'	2.85
"	Flame	5-6'	2.50
"	Floribunda	6-7'	2.85
"	" Purpurea	6-7'	2.85
"	Red Silver	5-6'	2.50

Special assorted varieties of Thorns & Trees

Craetegus	Cordata	(Peat Ball)	4-5'	5.75
"	Crusgalli	" "	3-4'	4.75
"	Mollis	" "	3-4'	4.75
"	Paul's Scarlet	" "	4-5'	4.75
Acer	Platanoides Columnaris	b.r.	8-10'	7.50
"	Crimson King (patent)	reg.	6-7'	3.95 B&B whips
"	" " " "	heavy B&B	6-7'	4.75 whips
Cercis	Canadensis	(peat ball)	4-5'	3.25
Cut-leaf	Weep. Birch	(peat ball)	6-7'	4.50
"	" " " "	" "	7-8'	5.75
Europ.	Mt. Ash	b.r.	6-7'	2.85
Locust	Moraine (patent)	b.r.	6-7'	4.75
"	Slaveni	b.r.	6-8'	3.50
"	"	b.r.	8-10'	4.50

Salix Vitellina (Golden Russ. Weep. Willow)

"	"	"	"	B & B	8-10'	4.50
"	"	"	"	B & B	10-12'	5.50

a few Magnolia Soulangeana B & B assorted sizes
priced at the Nursery

Also at the Nursery a few of the following:
Aesculus Pavia (dwarf red buckeye)
English Walnuts (hardy)
etc.

Shrubs Page A

XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
X
X Deciduous Shrubs X
X
X The majority of our shrubs are X
X grown by us for a discriminating X
X landscape trade for two to five X
X years and have all been trans- X
X planted. This insures heavier X
X specimens. Most of these are X
X fresh dug for each order. X
X X
XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX

Heavy --- "Fresh-Dug" --- Shrubs

(10 or more of a size and
kind take the C rate
where listed. Others ea.)

		<u>A ea.</u>	<u>C rate ea.</u>
Almond, pink own root	18-24"	.70	.60
	3-4'	1.50	1.40
Althea, Anemoneflorus dbl pink	3-4'	.70	
" Boule de Feu dbl red	3-4'	.70	
" Lady Stanley, dbl dark pink	3-4'	.70	
Barberry, New Thornless Green	12-15"	.60	
	15-18"	.75	
	18-24"	.95	
" Red Leaf (C rate applies to 25' & up) heavy	18-24"	.60	.55
	2'	.75	.70
Beauty Bush (Kolkwitzia)	2-3'	.85	.75
	3-4'	1.10	
	4-5'	1.35	
Calycanthus Floridus	18-24"	.60	.50
	2-3'	.75	.65
Caragana Arborescens lgt	2-3'	.60	
Caryopteris (Blue Mist)	15-18"	.65	
Cornus Paniculata	3-4'	.75	
	4-5'	.95	
Chionanthus Virginica few	3-4'	1.50	
"	4-5'	2.00	
Cotoneaster Acutifolia	2-3'	.60	.50
	3-4'	.75	.65
	4-5'	.95	
Cotoneaster Divaricata bare root	2-3'	.95	.85
	3-4'	1.25	1.15
few	4-5'	1.50	

Shrubs cont. Page B

		<u>ea.</u>	<u>C rate</u> <u>ea.</u>
Deutzia Gracilis	15-18"	.85	
Deutzia Gracilis Rosea	18-24"	.75	.65
Euonymus Alatus	18-24"	.85	.75
" Compacta	12-15"	.80	.70
	15-18"	1.00	.90
	18-24"	1.25	1.15
	2'	1.50	1.40
Europeus	3-4'	.85	.75
Yedoensis	2-3'	.70	
Fontanesia Fortunei			
(good tall erect hedge)	4-5'	.75	.70
	5-6'	.95	.85
Forsythia Spectabilis	3-4'	.70	.60
Honeysuckle Zabelli (dark red)	3-4'	.70	.60
	5-6'	1.25	1.15
Hydrangea Hills of Snow	2-3'	.75	.65
	3-4'	.95	.85
" P. G.	2-3'	.75	.65
	3-4'	1.00	.90
" P.G. Tree Form	3-3½'	1.50	
Hypericum Aureum	15-18"	.50	.45
	18-24"	.60	.50
	2-3'	.75	.65
Kerria Japonica single yellow	2-3'	.75	.65
" White (Rhohotypus)	2-3'	.75	.65
	3-4'	.95	.85
Lilac Rothomogensis (Persian)	2-3'	1.00	.90
	3-4'	1.25	1.15
" Can Hybrid Aladdin (pink)	4-5'	1.75	
" " " Royalty (reddish)	4-5'	1.75	
" French (Pres. Grevy) dbl. blue	3-4'	1.25	1.15
	4-5'	1.50	1.40
" French (assorted colors)	2-3'	1.00	.90
	3-4'	1.25	1.15
	4-5'	1.50	1.40

Shrubs cont. Page C

		\$ ea.	C rate ea.
Ninebark Dwarf Green	2-3'	.60	.50
	3-4'	.75	.65
	4-5'	.95	.85
Philadelphus Aurea (golden)	15-18"	1.00	
	18-24"	1.25	
	2-2½'	1.65	
" Minnesota Snowflake pat.	2-3'	.85	
few	5-6'	2.00	
" Virginalis dbl mockorange	2-3'	.70	.60
	3-4'	.95	.85
	4-5'	1.25	1.15
Privet Regels true type	2-3'	.65	.55
Quince Flowering Upright Red	2-3'	.95	.85
few	3-4'	1.75	
Rhus Cotinus (Smoke Bush)	3-4'	1.25	1.15
(These were full of blooms last summer.)	4-5'	1.50	1.40
Russian Olive	3-4'	.85	.75
	4-5'	1.00	.90
Snowberry Chenaulti (red berry)	2-3'	.60	.50
	4-5'	.75	.65
" Racemosus (white)	3-4'	.70	.60
	4-5'	.85	.75
Stephanandra Flexuosa	2-3'	.60	
	3-4'	.75	.65
Spirea Anthony Waterer (dwarf red)	15-18"	.60	.55
	18-24"	.75	.65
Arguta (fine foliage)	2-3'	.60	.50
	3-4'	.75	
Callosa Alba (dwarf white)	12-18"	.60	.55
	18-24"	.75	.65
	2-2½'	.95	
Frobella (dwarf pink)	2-2½'	.75	.65
	3-3½'	.90	.80
Prunifolia	2-3'	.70	.65
(true bridal wreath)	3-4'	.90	.80

Shrubs cont. Page D

			\$ ea.	C rate ea.
Viburnum	Americana	4-5'	1.35	
		5-6'	1.85	1.75
	Dentatum (Arrow Wood)	2-3'	.75	.65
		3-4'	.95	.85
		4-5'	1.35	1.25
	Lantana (Wayfaring Tree)	2-3'	.75	.65
		4-5'	1.50	1.40
	Lentago (Nannyberry)	2-3'	.60	.50
		3-4'	.75	.65
		4-5'	.95	.85
		5-6'	1.35	1.25
	Opulus (Europ. H.B.C.)	3-4'	.95	.85
		4-5'	1.35	1.25
		5-6'	1.85	1.75
	Opulus Nana (dwarf	12-15"	.90	.85
	(cranberry)	15-18"	1.25	1.15
		18-24"	1.65	
Weigelia	Bristol Ruby (pat.) red	3-4'	1.25	
	Rosea (pink)	3-4'	.75	.65
		4-5'	.95	
	Variegated Leaf	15-18"	.60	.55
		18-24"	.75	
		2-2½'	.95	
	Vaniceki (New dark red)	3-4'	1.00	.90
	(very good)			

xx

x			x
x	B & B on shrubs additional as		x
x	follows:		x
x		\$ ea.	x
x	18-24"	.50	x
x	2-3'	.50	x
x	3-4'	.50	x
x	4-5'	.75	x
x	5-6'	1.00	x
x			x

xx

Note: Extra Shrubs to come in.

Tamarix Hispida	3-4'	.70
Viburnum Tomentosum	3-4'	1.25
" " Plicatum	12-18"	1.00
Potentilla Fruticosa	18-24"	.70

page E

Shade & Ornamental Trees

			Shade & Ornamental trees		\$ ea.
Ash	Green (Lancolata) rapid grower)	cal	6-7'	1 1/2"	2.50 3.00
					ea.
###	<u>BIRCH</u>	Populifolia single stem	5-6'		2.10
		(straight or crooked	6-8'		2.50
		(for artistic grouping)	8-10'		3.25
		caliper	2-3"		5.00
					ea.
					C rate ea
					2.00
					2.40
					3.10
					4.75

Locust Thornless Honey 6-8" 2.50

Poplar Simonsi (Upright) 6-8' 1.00 .75
8-10' 1.25 1.00
10-12' 1.50 1.25

Weeping Willow (Salix Vitellina)
(Golden Russian Weeping) 6-8' 2.75
8-10' 3.50 3.25
10-12' 4.25 3.85

extras

Prunus Thundercloud b.r. 4-5' 1.90
(purple leaf plum)

10 only Prunus Kanzan (Best pink Jap. Cherry)
Peat & Earth ball 5-6' 4.75

SEE : ON PAGE # 5 other trees available.

Flowering Crabs --- Thorns --- Europ. Mt. Ash

Cut-Leaf Weeping Birch --- Crimson King Maple

Column Norway Maple --- Cercis Canadensis

Locust Moraine and Slaveni --

B & B Weeping Willow and others.

